Tennessee Education Lottery Revenue Estimates (Fiscal Years 2006-07 and 2007-08)

Presented to: The State Funding Board

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Presentation Outline

- FY2005-2006 Actual
- Revenue Sources
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FY2005-2006 Actual

FY05-06 Actual

• Gross Ticket Sales: \$996.3 million

Tickets given as prizes: (\$68.3 million)

• Net Ticket Sales: \$928.0 million

• Misc. Revenues: \$5.4 million

• Total Net Revenues: = \$933.4 million

Prize Expense: \$545.7 million

• Other Gaming Expenses: \$102.4 million

• Operating Expenses: \$15.5 million

• Total Expenses: = \$663.6 million (71.1%)

> Net Lottery Proceeds: = \$269.8 million (28.9%)

Revenue Sources

FY05-06 Sales Revenue Growth

Revenue Source	Net Sales FY04-05	Net Sales FY05-06	Dollar Growth	Percent Growth	Share of Overall Growth
Instant Games	\$538,345,177	\$627,952,797	\$89,607,620	16.6%	62.1%
CASH 3 & CASH 4	\$75,280,740	\$86,949,055	\$11,668,315	15.5%	8.1%
Lotto 5	\$23,398,661	\$22,155,487	-\$1,243,174	-5.3%	-0.9%
Powerball	\$146,674,142	\$190,947,513	\$44,273,371	30.2%	30.7%
	\$783,698,720	\$928,004,852	\$144,306,132	<u>18.4%</u>	100.0%

Instant Games

- Generated 67.7% of net sales in FY05-06.
- **FY05-06 Growth: 16.6%**
- FY06-07 Expectation: Slightly more moderate growth.
- Expected Growth Range: 8.5% to 10.5% range.
- July thru November (2006) sales are up about 11.2% (relative to the same time period in 2005).
- Growth is being driven by increasing prize payout structures over time.
- Due to law of diminishing returns, less growth is expected this year.

CASH 3 and CASH 4

- Generated 9.4% of net sales in FY05-06.
- FY05-06 Growth: 15.5%
- FY06-07 Expectation: slight growth to marginal growth.
- **Expected Growth Range:** 2.0% to 4.4% range.
- July thru November (2006) sales are up about 5.2% (relative to the same time period in 2005).
- Majority of last year's growth should be seen as "one-time" growth.
- Introduction of mid-day drawings (Nov. 2005).
- FY05-06 was first year CASH 4 considered a mature game.
- Result: over-stated growth rate...growth was not from natural growth.

LOTTO 5

- Generated 2.4% of net sales in FY05-06.
- **FY05-06 Growth: (-5.3%)**
- FY06-07 Expectation: very good growth.
- **Expected Growth Range:** 18.8% to 24.3% range.
- Sales growth is highly dependent upon jackpot growth.
- Last year's sales decline is attributable to negative jackpot growth.
- Average jackpot: FY04-05 = \$224,100; FY05-06 = \$153,300
- Average jackpot declined by 31.6%.
- So far this FY the jackpot has averaged \$237,200; a 54.7% increase.
- As a result, sales have been <u>up</u>.
- July thru November (2006) sales are <u>up</u> about 33.6% (relative to the same time period in 2005).
- Will it continue? Depends on the jackpots!

POWERBALL

- Generated 20.6% of net sales in FY05-06.
- FY05-06 Growth: 30.2%
- FY06-07 Expectation: Negative growth.
- Expected Growth Range: (-15.0%) to (-2.0%) range.
- Sales growth is highly dependent upon jackpot growth.
- Last year's extraordinary sales growth is attributable to significant jackpot growth.
- Average jackpot: FY04-05 = \$49.8 million; FY05-06 = \$82.3 million.
- Average jackpot increased by 65.3%.
- This significant jackpot growth is attributable to a matrix change.
- Worsened the odds of any player winning the jackpot...fewer winners...higher jackpots...higher sales.

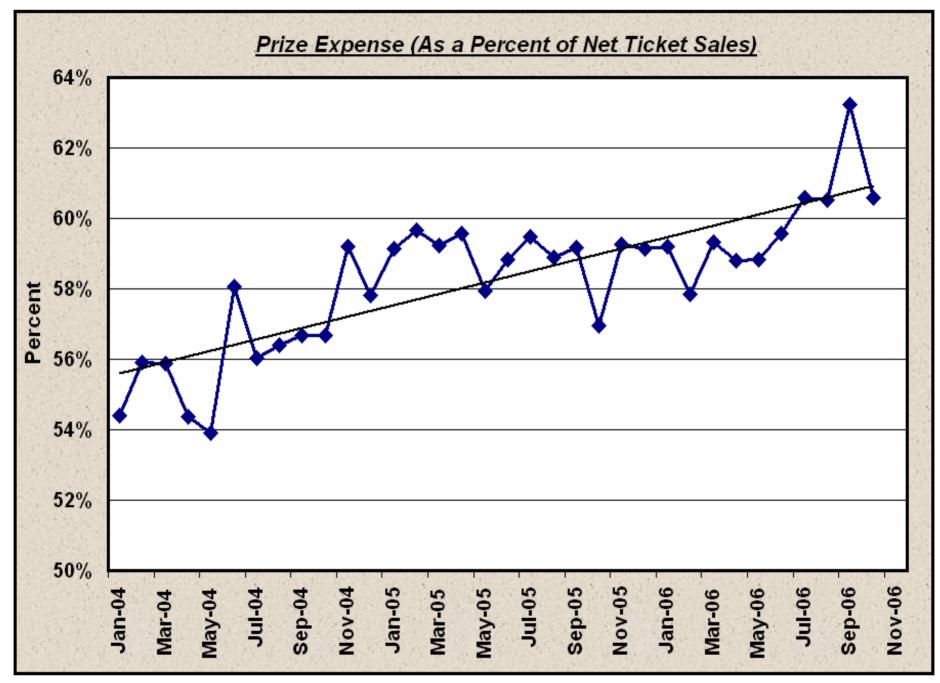
POWERBALL - continued

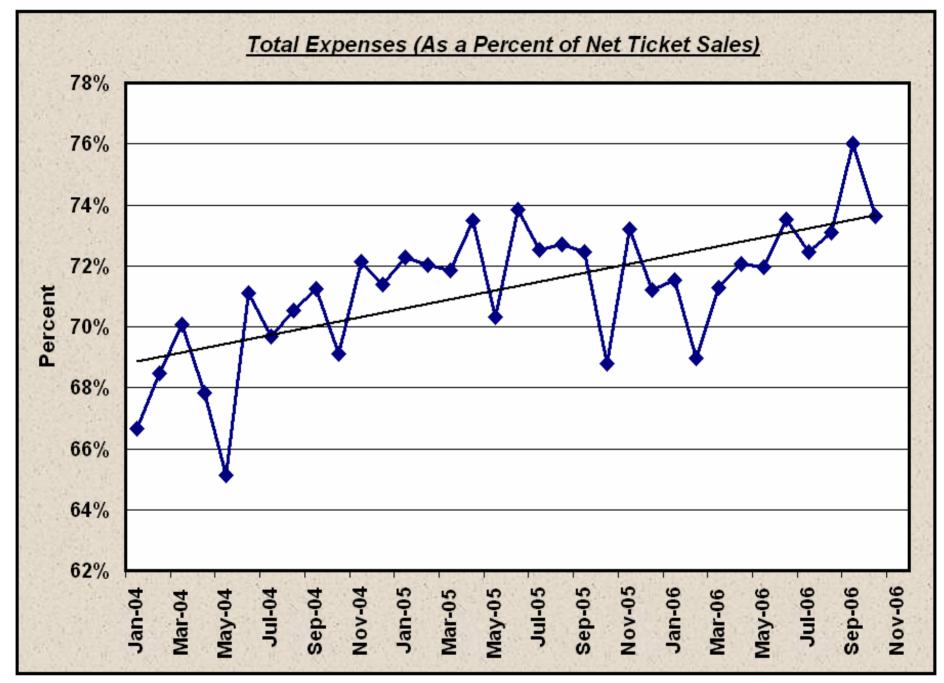
- Majority of last year's sales growth should be seen as "one-time" growth (attributable to the matrix change).
- Average sales BEFORE the matrix change: \$2.9 million per week (142 drawings...04/21/04 \rightarrow 08/27/05).
- Average sales AFTER the matrix change: \$3.6 million per week (134 drawings...08/31/05 \rightarrow 12/09/06).
- Growth that we experienced was not natural growth.
- So far this FY the jackpot has averaged \$71.0 million; which is down about 13.7%.
- As a result, sales have been down.
- July thru November (2006) sales are <u>down</u> about 16.5% (relative to the same time period in 2005).
- Will this continue? It all depends on the jackpots!

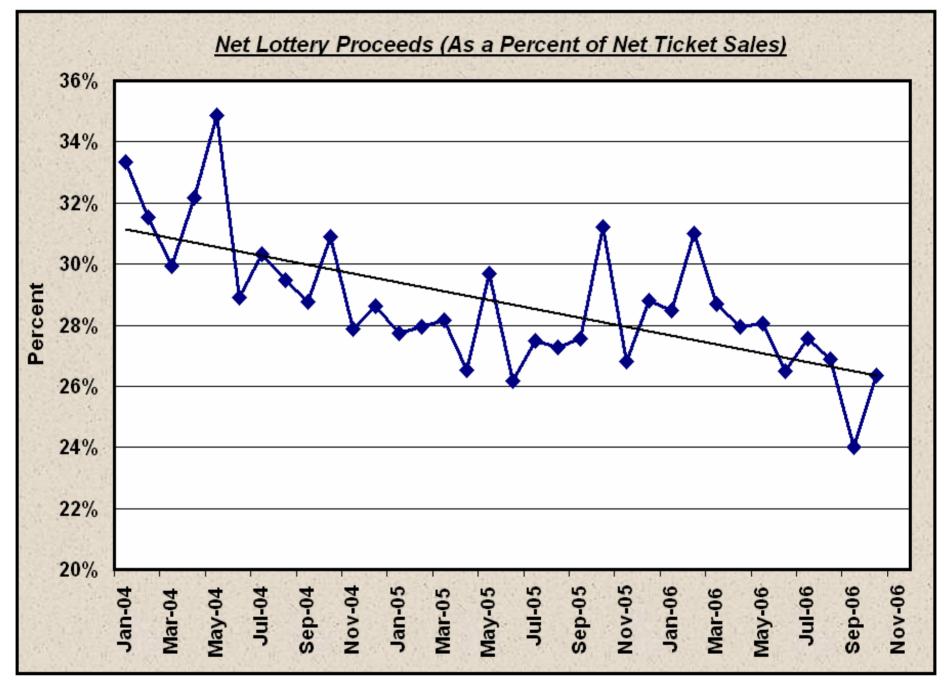
New Games

- New online game is called "HotTrax Champions".
- Terminal-based game located in social establishments (bars, restaurants, etc...).
- NASCAR racing theme.
- Introduced on November 20, 2006.
- Available for about 32 of 52 weeks during FY06-07.
- Another new game introduction is expected in Q1 of calendar year 2007.
- Raffle-type game with a fixed number of tickets.
- **Expectation:** generate between \$12.5 to \$14.2 million in new revenue for FY06-07.

Trends - Expenses & Net Lottery Proceeds

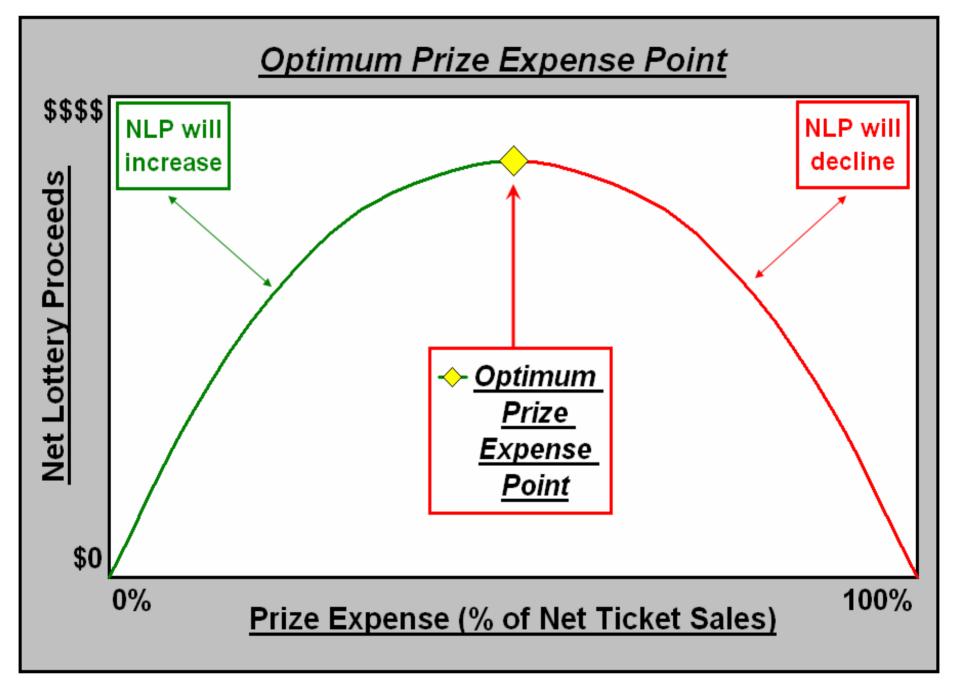






Conclusion

- Does <u>not</u> necessarily mean net lottery proceeds (NLP) are decreasing.
- NLP could be increasing or decreasing.
- It all depends on the extent of <u>sales growth</u>.
- If sales grow at a rate sufficient that the incremental revenue exceeds the incremental prize expense...then NLP (dollars) will increase.
- If sales decline <u>or</u> grow at some rate that does not cover the incremental prize expense...then NLP (dollars) will decrease.
- <u>Caution</u>: Perpetual prize payout increases, year-overyear, increases the probability that NLP could turn negative at some point (law of diminishing returns).



Overall Expectation

- Where are we on this curve?
- Still to the left of the optimum prize expense point.
- Confirmed by good instant game growth.
- But, the IG growth is starting to "diminish"...
- ...Last year = 16.6%; so far this year = 11.2%.
- Still good growth opportunities.
- Last year's growth of total net sales = 18.4%.
- So far this year = 5.8%.
- Expected growth range of net sales this year: between 5% and 9%...(7.2% median).
- What could alter this?

Assumptions

- No matrix changes will occur to the pari-mutuel games (Powerball and Lotto 5) during FY06-07 or FY07-08.
- Drawing frequencies will remain unchanged for the parimutuel and online games during FY06-07 or FY07-08.
- No new game introductions will occur in FY06-07 or FY07-08 outside the ones already discussed.
- Sales for the pari-mutuel games (PB, L5) have been estimated using average jackpot cycles.
- FY07-08 estimates assume 2.5% overall net sales growth.
- Total Expense ratio is 73% of net revenues.
- Net Lottery Proceeds ratio is 27% of net revenues.

FY06-07 Estimates (as of May 3, 2006)

RANGE ESTIMATES FOR FY06-07 (as of 05/03/06)

Revenue Source	Lower	Median	Upper
Instant Games (Net)	\$635,118,000	\$639,693,000	\$647,556,000
Cash 3	\$62,508,000	\$62,753,000	\$62,999,000
Powerball	\$193,067,000	\$200,207,000	\$207,347,000
Lotto 5	\$21,478,000	\$21,707,000	\$21,936,000
Cash 4	\$26,190,000	\$26,296,000	\$26,402,000
NET TICKET SALES	\$938,361,000	\$950,656,000	\$966,240,000
Misc. Revenue	\$4,998,000	\$5,100,000	\$5,202,000
TOTAL NET REVENUE	\$943,359,000	\$955,756,000	\$971,442,000
Expenses at 72%	\$679,218,000	\$688,144,000	\$699,438,000
Net Lottery Proceeds at 28%	\$264,141,000	\$267,612,000	\$272,004,000

FY06-07 Estimates (Revised)

RANGE ESTIMATES FOR FY06-07 (as of 12/15/06)

Revenue Source	Low	Median	High
Instant Games (Net)	\$680,851,000	\$689,957,000	\$694,714,000
Cash 3	\$63,706,000	\$64,369,000	\$65,205,000
Cash 4	\$25,030,000	\$25,287,000	\$25,516,000
Lotto 5	\$26,330,000	\$26,932,000	\$27,533,000
Powerball	\$162,193,000	\$174,770,000	\$187,348,000
Hottrax Champions	\$5,565,000	\$5,855,000	\$6,145,000
Other New Game	\$7,000,000	\$7,500,000	\$8,000,000
NET TICKET SALES	\$970,675,000	\$994,670,000	\$1,014,461,000
Misc. Revenue	\$5,400,000	\$5,500,000	\$5,600,000
TOTAL NET REVENUE	\$976,075,000	\$1,000,170,000	\$1,020,061,000
Expenses at 73%	\$712,535,000	\$730,124,000	\$744,645,000
Net Lottery Proceeds at 27%	\$263,540,000	\$270,046,000	\$275,416,000

FY07-08 Estimates (New)

RANGE ESTIMATES FOR FY07-08 (as of 12/15/06)

Revenue Source	Low	Median	High
Instant Games (Net)	\$700,596,000	\$709,966,000	\$714,861,000
Cash 3	\$64,025,000	\$64,691,000	\$65,531,000
Cash 4	\$24,780,000	\$25,034,000	\$25,261,000
Lotto 5	\$26,330,000	\$26,932,000	\$27,533,000
Powerball	\$163,815,000	\$176,518,000	\$189,221,000
Hottrax Champions	\$8,869,000	\$9,331,000	\$9,794,000
Other New Game	\$7,000,000	\$7,500,000	\$8,000,000
NET TICKET SALES	\$995,415,000	\$1,019,972,000	\$1,040,201,000
Misc. Revenue	\$5,400,000	\$5,500,000	\$5,600,000
TOTAL NET REVENUE	\$1,000,815,000	\$1,025,472,000	\$1,045,801,000
Expenses at 73%	\$730,595,000	\$748,595,000	\$763,435,000
Net Lottery Proceeds at 27%	\$270,220,000	\$276,877,000	\$282,366,000